

## INTERNATIONAL SEARCH REPORT

Int'l Application No  
PCT/IB2004/050237A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H03H/01

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H03H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 472 319 A (TECHNOPHONE LTD) 26 February 1992 (1992-02-26)	1-10
A	column 7, line 35 - line 56; figures 1-6 -----	9,10
X	US 2002/158717 A1 (TONCICH STANLEY S) 31 October 2002 (2002-10-31)	1-8
A	paragraphs '0053!, '0054!, '0153!, '0154!; figures 8a,8b -----	9,10
X	EP 0 800 224 A (MATSUSHITA ELECTRIC IND CO LTD) 8 October 1997 (1997-10-08)	1-8
A	figure 6 -----	9,10
X	US 4 992 759 A (GIRAUDEAU PATRICK ET AL) 12 February 1991 (1991-02-12)	1-10
	figures 4-8 ----- -/-	

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

## \* Special categories of cited documents :

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Date of the actual completion of the International search

16 June 2004

Date of mailing of the International search report

23/06/2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/118081 A1 (ZHU YONGFEI ET AL) 29 August 2002 (2002-08-29) paragraph '0044!; figures 1,4,8 -----	1-10
X	US 4 835 499 A (PICKETT MICHAEL N) 30 May 1989 (1989-05-30) figure 3 -----	1-8
A	SHIH-JIH YAO ET AL: "GENERALIZED DUAL-PLANE MULTICOUPLED LINE FILTERS" IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, IEEE INC. NEW YORK, US, vol. 41, no. 12, 1 December 1993 (1993-12-01), pages 2182-2189, XP000426133 ISSN: 0018-9480 paragraph '000B!; figure 6 -----	1-10

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Patent document cited in search report	Publication date	Patent family member(s)		Publication date
EP 0800224	A	KR	268641 B1	16-10-2000
		SG	54486 A1	16-11-1998
		TW	463415 B	11-11-2001
		US	6072999 A	06-06-2000
US 4992759	A	12-02-1991	FR 2613557 A1	07-10-1988
			DE 3877235 D1	18-02-1993
			DE 3877235 T2	06-05-1993
			EP 0285503 A1	05-10-1988
			JP 63258101 A	25-10-1988
US 2002118081	A1	29-08-2002	AU 2886502 A	27-05-2002
			EP 1340285 A1	03-09-2003
			WO 0241441 A1	23-05-2002
US 4835499	A	30-05-1989	NONE	